PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

		<u></u>				
Applicant's or agent's file reference S 3545						
International application No.	International filing date (day month year)	(Earliest) Priority Date (day month year)				
PCT/SE 2004/000814	27 May 2004	18 June 2003				
Applicant						
ALFA LAVAL CORPORATE AB et	t al					
applicant according to Article 18. A	peen prepared by this International Searchi copy is being transmitted to the Internation					
This international search report cons	ists of a total of sheets.					
It is also accompanied by	y a copy of each prior art document cited in	n this report.				
in the language in which it was	ne international search was carried out on to filed, unless otherwise indicated under this arch was carried out on the basis of a trans	s item.				
	hority (Rule 23.1(b)).	value of the months of the same of the sam				
b. With regard to any nucleon No. I.	tide and/or amino acid sequence disclosed i	n the international application, see Box				
2. Certain claims were found	i unsearchable (see Box No. II)					
3. Unity of invention is lack	ng (see Box No. III)					
4. With regard to the title,						
the text is approved as su	• • •					
the text has been establish	ned by this Authority to read as follows:					
5. With regard to the abstract,						
the text is approved as su	• • • •					
	ted, according to Rule 38.2(b), by this Auth month from the date of mailing of this int ty.					
6. With regard to the drawings,						
	a. the figure of the drawings to be published with the abstract is Figure No.					
as suggested by the applicant.						
as selected by this Authority, because the applicant failed to suggest a figure.						
	as selected by this Authority, because this figure better characterizes the invention. b. none of the figures is to be published with the abstract.					
b. none of the figures is to be	e puonsneu wini me aostraci.					

International application No. PCT/SE 2004/000814

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B04B 1/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI, PAJ

l	C. DOCUMENTS CONSIDERED TO BE RELEVANT	
r		

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	US 5800332 A (GARY L. HENSLEY), 1 Sept 1998 (01.09.1998), column 6, line 29 - line 41, figure 1		
			
A	EP 0602766 A2 (ALFA-LAVAL SEPARATION INC.), 7 June 2000 (07.06.2000), whole document	1-12	
	·	·	
A	EP 0520010 B1 (ALFA-LAVAL SEPARATION A/S), 19 October 1994 (19.10.1994), whole document	1-12	
	 .		
A	US 3885734 A (CHIE-YING LEE), 27 May 1975 (27.05.1975), figures 1-5, claims 1-6, abstract	1-12	

X	Further documents are listed in the continuation of Box C.	X See patent family annex.
ותו		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

- Special categories of cited documents:
- document defining the general state of the art which is not considered to be of particular relevance
- earlier application or patent but published on or after the international filing date
- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- document referring to an oral disclosure, use, exhibition or other
- document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search Date of mailing of the international search report 16 Sept 2004 20 -09- 2004 Authorized officer Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Fredrik Andersson/MP Facsimile No. +46 8 666 02 86 Telephone No. + 46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No. PCT/SE 2004/000814

Category*	Citation of document, with indication, where appropriate, of the relevant passage	s Relevant to claim No				
A	US 4245777 A (ANDRE C. LAVANCHY), 20 January 1981 1-12 (20.01.1981), figures 1-6, claims 1-10, abstract					
						
f						
-						
	· .	·				
	•					
İ						
		·				
İ						

INTERNATIONAL SEARCH REPORT

Information on patent family members

31/07/2004

International application No.

PCT/SE 2004/000814

ιι	JS	5800332	Α	01/09/1998	NONE :		
E	:P	0602766	A2	07/06/2000	SE CA DE DK JP JP US	0602766 T3 2092980 A,C 69328817 D,T 602766 T 3473974 B 6206005 A 5354255 A	18/06/1994 12/10/2000 07/08/2000 08/12/2003 26/07/1994 11/10/1994
E	P	0520010	B1	19/10/1994	SE DE DK DK JP JP US WO	0520010 T3 69104715 D,T 65190 A 170967 B 2987519 B 5505557 T 5374234 A 9113686 A	04/05/1995 14/09/1991 09/04/1996 06/12/1999 19/08/1993 20/12/1994 19/09/1991
U	S	3885734	A	27/05/1975	BR CA DE DK FR GB JP JP MY NL NO SE US	7306872 D 965757 A 2344507 A,C 138383 B,C 2197658 A,B 1408997 A 1022405 C 49086951 A 53013058 B 39078 A 170382 B,C 7312320 A 139202 B,C 435794 B,C 3795361 A	00/00/0000 08/04/1975 14/03/1974 28/08/1978 29/03/1974 08/10/1975 28/11/1980 20/08/1974 08/05/1978 31/12/1978 01/06/1982 08/03/1974 16/10/1978 22/10/1984 05/03/1974
US	5	4245777	A	20/01/1981	CA	1131598 A	14/09/1982